

PATENT COOPERATION TREATY

PCT**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference MMV / PB60642	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2004/004234	International filing date (day/month/year) 20/12/2004	(Earliest) Priority Date (day/month/year) 22/12/2003
Applicant SB PHARMCO PUERTO RICO INC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/004234

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D487/04 A61K31/495

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 313 124 B1 (HE LIQI ET AL) 6 November 2001 (2001-11-06) cited in the application column 10, lines24ff -----	1-30
Y	WO 97/29109 A (JANSSEN PHARMACEUTICA N.V; NEUROCRINE BIOSCIENCES INC; CHEN, CHEN; WEB) 14 August 1997 (1997-08-14) cited in the application claim 1 and p.5, line26 -----	1-30

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

20 June 2005

Date of mailing of the international search report

27/06/2005

Name and mailing address of the ISA

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Authorized officer

Wolf, C

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2004/004234

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: claims 24–30 in respect of industrial applicability because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 24–30 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

 International Application No
PCT/IB2004/004234

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6313124	B1	06-11-2001	US 6124289 A AT 264860 T AU 748818 B2 AU 2478799 A BR 9908206 A CA 2314613 A1 CN 1289335 A ,C CN 1542010 A DE 69916578 D1 DE 69916578 T2 DK 1049699 T3 EP 1344779 A1 EP 1049699 A1 ES 2218991 T3 JP 2002501922 T NZ 505079 A NZ 524842 A PL 342183 A1 PT 1049699 T SI 1049699 T1 TW 520372 B WO 9938868 A1 US 2003008885 A1 BR 9710544 A CA 2259583 A1 CN 1327793 A CN 1388126 A CN 1225637 A ,C CZ 9900184 A3 EA 4403 B1 EE 9900019 A HR 970413 A1 JP 2002513382 T JP 2005097257 A NO 990264 A NZ 333777 A PL 331523 A1 SI 9720045 A SK 9799 A3 US 6136809 A US 6060478 A US 6191131 B1 US 6358950 B1	26-09-2000 15-05-2004 13-06-2002 16-08-1999 05-12-2000 05-08-1999 28-03-2001 03-11-2004 27-05-2004 31-03-2005 05-07-2004 17-09-2003 08-11-2000 16-11-2004 22-01-2002 29-08-2003 31-10-2003 21-05-2001 31-08-2004 31-10-2004 11-02-2003 05-08-1999 09-01-2003 17-08-1999 29-01-1998 26-12-2001 01-01-2003 11-08-1999 17-11-1999 29-04-2004 16-08-1999 31-10-1998 08-05-2002 14-04-2005 10-03-1999 28-07-2000 19-07-1999 31-10-1999 01-04-2005 24-10-2000 09-05-2000 20-02-2001 19-03-2002
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/004234

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		JP 2000503661 T	28-03-2000
		JP 2002121194 A	23-04-2002
		NO 981357 A	03-08-1998
		NZ 330119 A	28-02-2000
		PL 327284 A1	07-12-1998
		SK 106398 A3	02-12-1998
		TR 9800792 T2	21-07-1998
		TW 449599 B	11-08-2001
		US 2003125341 A1	03-07-2003
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		ZA 9700989 A	06-08-1998